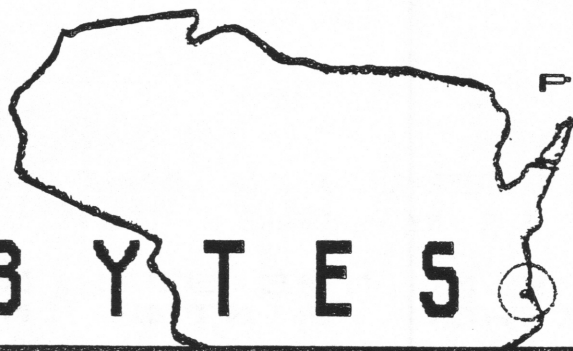


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SINCLAIR MILWAUKEE USERS GROUP
P.O. Box 101 Butler, WI 53007

THIS MONTH:

- Bill On MSCRIPT 5.4
- Ed P. Om Using The NX1000
- Current Members Phone Nos.
- Presidents Message
- And Other Great Things

If any articles are copied
please credit SMUG Bytes

NEXT MEETING DATE: 12/07/88

Send all contributions by the
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(NOTE NEITHER ANY AUTHOR OR SMUG BYTES TAKES ANY RESPONSIBILITY
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MODIFYING THE STAR NX1000 WITH THE AERCO PRINTER INTERFACE

By Ed Pawloski

After using the AERCO Centronics printer interface with the Oliger disk system and printers such as Gorilla Banana, Olivetti and Panasonic for many years, time came to obtain a new Star NX1000 printer.

Oh boy, look at all the fonts and commands available. Quick plug it in and lets see what it does.

Lets LLIST, oh boy look at that printer work... ok... whats this? A "C" where an "A" should be, an "N" where a "L" should be, the number "566" instead of "544". Oh no. Apparently the scan line is being read incorrectly. To make a long story short add a 350pf to 1000pf capacitor between pin 8 of the 741S10 chip and ground (Strobe line to Ground) on the printer interface board. My system required 1000pf to clean everything up and it is now working just great.

Ed. note watch soldering near the chip.

2 NEW RELEASES FROM
> RMG ENTERPRISES <
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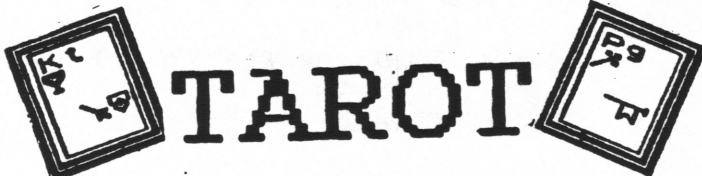
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Please excuse the tardiness of this issue. We had to search for a new printing place as our old one is no longer available to us. Thank you for your patience and understanding.

Also because of this "Rudys SQ notes" was unable to make it. Look for it next month.

QL Boot Program

I wrote a little boot program, for the QL. The program will turn on Trumpcard Toolkit, if wanted, allow you to set the clock, again if wanted, display the clock, if Toolkit is on it will use the Toolkit clock program else just display the clock once, and if Toolkit is on turn on selected "ALTKEY" keys. Feel free to modify the program and send the modifications to me so I can add them to the program and publish them. Instead of stopping at the end you can load a new program, display a directory, or print a screen. The program uses a window and channel more for learning than anything else. The program also waits for a keyboard response to the questions but you must press (not hit) enter after each date set entry. The ALTKEY entries can be changed so you can add any key strings you like but remember the commas.

The next thing I would like to add is a directory listing that would print the directory to the screen in columns with numbers preceeding the entry. To load the program all you would have to do is enter the number. Also a code would be entered to do an LRUN, LOAD, EXEC, EXEC_W, or any other type of run command. If anyone has any ideas along these lines please let me know so I can try them.

```
100 REMark system boot program
110 CLS #2: CLS #1: CLS #0
120 yn$=' '
130 PRINT 'Do you want to turn on
    toolkit II?'
140 yn$ = INKEY$
150 IF yn$='y' OR yn$='Y' OR
    yn$='n' OR yn$='N' then
160     GO TO 200
170 ELSE
180     GO TO 140
190 END IF
200 IF yn$='y' OR yn$='Y' THEN
210     TK2_EXT
220     WTV: MODE 4
230     OPEN #4,scr
240     WINDOW #4,410,12,50,0
```

```
250     BORDER #4,2,0,7
260     PAPER #4,5: INK #4,0: CLS #4
270     PRINT #4,"@ Heberlein boot
    program 10/22/88
280     GO TO 570
290 ELSE
300     yn$=' '
310     PRINT 'Is toolkit on?
320     yn$ = INKEY$
330     IF yn$='y' OR yn$='Y' OR
    yn$='n' OR yn$='N' then
340         GO TO 380
350 ELSE
360     GO TO 320
370 END IF
380 IF yn$='y' OR yn$='Y' THEN
390     WTV: MODE 4
400     OPEN #4,scr
410     WINDOW #4,410,12,50,0
420     BORDER #4,2,0,7
430     PAPER #4,5: INK #4,0: CLS #4
440     PRINT #4,"@ Heberlein boot
    program 10/22/88
450     tk2on = 1
460     GO TO 590
470 ELSE
480     MODE 512
490     OPEN #4,scr
500     WINDOW #4,410,12,50,0
510     BORDER #4,2,0,7
520     PAPER #4,5: INK #4,0: CLS #4
530     PRINT #4,"@ Heberlein boot
    program 10/22/88
540     tk2on = 0
550     GO TO 590
560 END IF
570 tk2on = 1
580 yn$ = ' '
590 AT 2,0: PRINT 'Do you want to
    set the clock?'
600 yn$ = INKEY$
610 IF yn$='y' OR yn$='Y' OR
    yn$='n' OR yn$='N' then
620     GO TO 660
630 ELSE
640     GO TO 600
650 END IF
660 IF yn$='y' OR yn$='Y' THEN
670     GO TO 710
680 ELSE
690     GO TO 900
700 END IF
710 INPUT 'Enter year ie 1988.
    ',yyyy
720 INPUT 'Enter month ie Oct. =
    10. ',mm
730 IF mm < 1 OR mm > 12 THEN GO TO
    720
```



```

740 INPUT 'Enter day ie 5.
      ',dd
750 IF dd < 1 THEN GO TO 740
760 IF mm = 2 Then IF dd > 29 THEN
GO TO 740: ELSE GO TO 800: END IF
770 IF mm=1 OR mm=3 OR mm=5 OR mm=7
OR mm=8 OR mm=10 OR mm=12 THEN GO
TO 790: END IF
780 IF mm=4 OR mm=6 OR mm=9 OR
mm=11 THEN GO TO 810: END IF
790 IF dd > 31 THEN GO TO 740
800 END IF
810 IF dd > 30 THEN GO TO 740
820 END IF
830 INPUT 'Enter hour ie 3pm is 15.
      ',hh
840 IF hh > 23 THEN GO TO 830
850 INPUT 'Enter minute ie 5.
      ',min
860 IF min > 59 THEN GO TO 850
870 INPUT 'Enter second ie 5
      ',ss
880 IF ss > 59 THEN GO TO 870
890 SDATE yyyy,mm,dd,hh,min,ss
900 yn$ = ' '
910 PRINT 'Do you wish to display
the clock? '
920 yb$ = INKEY$
930 IF yn$='y' OR yn$='Y' OR
yn$='n' OR yn$='N' then
940     GO TO 980
950     ELSE
960     GO TO 920
970 END IF
980 IF yn$='y' OR yn$='Y' THEN
990     GO TO 1080
1000    ELSE
1010    IF tk2on THEN
1020    GO TO 1190
1030    ELSE
1040    CLOSE #4
1050    CLS #0: CLS #1: CLS #2
1060    STOP
1070 END IF
1080 IF tk2on THEN
1090     MODE 4
1100     CLOCK
1110     GO TO 1190
1120 ELSE
1130     CLS
1140     PRINT DATES
1150     CLOSE #4
1160     CLS #0: CLS #1: CLS #2
1170     STOP
1180 END IF
1190 OPEN #4,scr
1200 WINDOW #4,410,12,50,0
1210 BORDER #4,2,0,7
1220 PAPER #4,5: INK #4,0: CLS #4

```

```

1230 PRINT #4,0"@ Heberlein boot
program 10/22/88 with ALT keys"
1240 ALTKEY 2,'delete flp2_'
1250 ALTKEY 3,'delete flp2_'
1260 ALTKEY 4,'format raml_1440'
1270 ALTKEY 5,'save flp2_'
1280 ALTKEY 6,'save flp1_'
1290 ALTKEY 7,'flp_use flp_'
1300 ALTKEY 8,'flp_use mdv_'
1310 ALTKEY 9,'format flp2_'
1320 ALTKEY 0,'format flp1_'
1330 ALTKEY '-', 'dir flp2_'
1340 ALTKEY '=', 'dir flp1_'
1350 ALTKEY '\', 'list'
1360 ALTKEY '\', 'cls #0'
1370 CLOSE #4
1380 CLS #0: CLS #1: CLS #2
1390 STOP

```

SMUG VS SNUG

To all you Editors out there.

Please note when refering to the new national group their initials are SNUG not SMUG. In at least two newsletters SMUG was used not SNUG. We don't mind the free press but if it's not us you are talking about and we do not want to have to explain SNUG or return checks to their owners. So not only must you mind your P's and Q's but your M's and N's.

Thank you.

Sinclair Milwaukee Users Group.

NET ON THE QL

By Dick Cultice

When I was asked to do an article on networking the QL, little was known about the subject in our club. So one Sunday afternoon a few members got together and tried it, but with little success. I should say none at all. Many crashes and unfriendly diagnostics were seen that afternoon. So that you do not have to go through the same thing, here are a few tips.

Getting started. Make up cables using speaker wire and miniature phone plugs. 3 would be enough. One 6', one 10' and one 20'. Also Toolkit II is required. Only one of any device type is needed as any QL can now use anyother QL's device.

Set up your QL, insure everything is operating OK and follow these instructions. Using one of those new cables, or the one coming with the QL, connect your QL to another one via the networking jack located on the right rear. There are two jacks and either is ok. Here we made our mistake. We connected the second cable, back to the first to complete the loop. This disconnected the pull down resistors in the circuit. Use only one cable between each machine, with the end machines having one empty jack. This gave a resistance about 160 ohms across the cables.

Count off. - Every QL must have unique net number. QL's with #'s from 1 to 8 can be used as FILE SERVERS. If a QL is to control a device it must be a FILE SERVER.

Toolkit II must be on before using the following commands.

OK? Gere is your first command:

NET station # <ENTER>

Station number is the unique net number assigned to the QL.

The next command is to be done only if you want the QL to be used as a FILE SERVER. The command is:

FSERVER <ENTER>

This command is only used after the NET command. Any station may use any device connected to a FILE SERVER. This includes disk drives, micro drives, ram discs, printers, monitors, etc. Stations that are servers may access other servers in the net.

Here are a few commands that can be used to access a server. NET 2 is a server with a disk drive. Net 3 is a server with a printer.

LOAD n2_flp1_filename - This will load a basic program from NET 2 disk drive 1 to the station the command came from.

WCOPY mdv1_ to n2_flp2_ - This will copy all files from micro drive 1 of the station to disk drive 2 of NET 2.

SAVE n2_flp1_myprog - Save the program from the station requesting to NET 2.

COPY myprog to n3_prt - Print the program in the requesting station using the printer in NET 3. I have not tried this but it should work.

You will be able to catch on to the form using these commands. Specifying a double device such as n2_ and (prt, scr or flp) will usually work. There are times when a comma (,) may be used instead of an underscore (_). Try a few to get the feel of the syntax of each statement.

Most of the commands are given on page 34 of the "concepts" section of the QL users manual. There are more commands that work in Toolkit II. Commands working in background such as the print spooler can be used. When these commands are used, the server can be used for other processing.

NET is easy to use and can be fun. Share with another station.

Bill On MSCRIPT

Well I am using the new MSCRIPT from Dohany 5.4. Watch it as it comes with the top row swapped. In otherwords to move left press the 5 key without shifting. To get a number 5 you must press the caps shift and 5 keys. To reverse this press the Caps shift, Symbol shift and X keys. The main menu has changed and there is a new option. You now can Give Name. Give name allows you to name the data being entered. The problem is when you save the file using a name other than the one you used when loading the name in the menu remains unchanged. The other thing I ran into was the printing on my NX15. The new version caused some of the words to have incorrect letters printed. There is a software modification for this which is being sent and will report on it next month. The cursor

movement is at least doubled when using the arrow keys. I have not listed the documentation yet but will do so by next month. You will note the better printing as I got my NX15 back from the repair shop. Some how or other the buffer board got clobbered. I took it to a local repair facility, Systech Electronics, who told me all Star printers have a 1 year warrenty. They sent the buffer board to Star. Star returned a new board, and Systech replaced it and I am back in business at no cost to me. It did take about 5 weeks but at least I have my new printer back. Sorry for the digression but I AM VERY HAPPY. Now back to MSCRIPT. The drive option has changed. To select a new drive you can go directly by entering a number from 1 to 4 with 1 = A, 2 = B etc.



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FROM THE PRES.

Our "C" classes are continuing and we are learning how portable and powerful it is. The club has ordered the video tapes of the West coast Computerfest. Soon we will see what some of the West Coast Sinclair Gurus look like. The tapes will be available for viewing at the December meeting. Our first meeting in our new place and date was a little disappointing and a little nice. Some of our regular attendees were not there. I hope to see them this time. The nice part was seeing Paul Boese again. He made both the meeting and the games night.

Ham and Computer fests coming up Sat. Nov. 12, the Friendly Fest at Serb Hall. 51st & Oklahoma. Admission \$3 at the door.

SWAPFEST Sat. Jan. 14, 1989 at the Waukesha Co. Expo. \$3 at the door.

Now for an update on SNUG and us. We are making a list of all SMUG hardware. Please be sure to get your equipment list to NEAL so we can mail our SNUG application before the January 1, 1989 date. Most of you have the information in but time is running out for the others. We plan to mail SMUG's application in December right after the meeting.

To all of you getting Update magazine note the nice graphics letter from Jon Gardner. The club also got a little press.

Final note: Dick Cultice and Gordy Kraemer are putting the digitizer board together. Gordy is etching the board and Dick is populating it. Marty Miller is running the electronic checks and will review the first board before the smoke test.

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